

**SYSTEM AND MEHOD OF X-RAY FLUX MANAGEMENT CONTROL****ABSTRACT**

5       A system and method of diagnostic imaging is provided that includes determining  
a position of a subject in a scanning bay and tailoring x-ray attenuation such that the  
specific position of the subject is taken into consideration. The present invention  
automatically selects a proper attenuation filter configuration, corrects patient centering,  
and corrects noise prediction errors, thereby increasing dose efficiency and tube output.

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